

## CLAIMS:

1. Formwork metallic, type modular, for to mold concrete in building, which comprises panels or sheets metallic reinforced, made in sizes and dimensions according to the building, to set up and to remove - by hand, characterized by:

- a frame metallic with forms a box rectangular with panels,
- profiles metallic with holes in it length making up the frame,
- members reinforcement by way of nervures in V with which travels the panels or sheets,
- members reinforcement by way of rods perpendicular said reinforcement in V,
- Locking members disposed in the formwork's corners, to receive linkage elements for formworks adjacent,
- Locking means complementary of fixation and vertical alignment of the formwork when settling in work.

2. Formwork metallic, according claim 1, wherein each panel modular comprises a metallic sheet with 2 to 3 mm thick, and accommodating dimensions to the necessity, with reinforcement longitudinal and transversely.

3. Formwork metallic, according claim 1, characterized besides by it have a metallic frames type L profile bored in it planes to allow the external turn between adjacent modular panels, so it's locking in the corners.

4. Formwork metallic, according claims 1 and 3, characterized by it have a frame type box or corner cupboard with planes or walls bored for the arrangement in adjacent modular panels,

and to allow the internal turn between adjacent modular panels, acting as locking member in the corners.

5. Formwork metallic according claim 1, wherein locking members  
5 complementary comprises an ironwork piece.
6. Formwork metallic according claims 1 and 5, wherein the  
ironwork piece is an element metallic compounded by a sheet  
folded in angle, with a slot intermediate and a rod welded  
10 whose end it's curved to allow insert it in the frame's holes  
in the formwork.
7. Formwork metallic according claim 1, wherein locking members  
complementary has a sheets metallic or "ties" or distancing  
15 members, flat and bored, to link the panel's ends adjacent  
by way pins, across the holes in the formwork's frame.
8. Formwork metallic according claim 1, also characterized  
because the complementary means of fixation and alignment of  
20 the formwork, they have a press clamp with screw and profiles  
metallic in U, disposed in the external face of panel in the  
formwork.
9. Formwork metallic according to the claims 1 and 8  
25 characterized because the press type screw gag is designed  
with base in a sheet folded in form of U that has its  
external faces of the profile welded to a bars, these bars  
bend in the ends in the same address so that they pass  
through the perforations of the structure of the formwork.  
30 This press is worked manually through a screw welded to a  
bar.
10. Formwork metallic according claims 1 and 8, wherein the  
metallic profiles in U are dispose horizontally against the

panel modular and it's trapped between the press's fins by the pressure applied by adjusting screw. The fin of the interior face of the profile in U form makes contact with the vertex of the reinforcements in V form of this panel, allowing the alignment and uprightness of the panel in the formwork.

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11. Formwork metallic according claims 1 and 7, wherein the metallic sheets or "ties" or distancing members has pins by way of rods folded or curved, and said distancing members or "ties" serves to establish the space between modular panels, and said space allows the casting of concrete.

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12. Formwork metallic with modular panels, according claim 1, wherein those panels can be removed from there, by means to apply a coat of antosetting material in the smooth face of panel which contacts said concrete.

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